Access DB# 49797

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name:		Examiner # :	Date:
Requester's Full Name: Phone Num	ber 30	Serial Number:	
Mail Box and Bldg/Room Location:	Res	sults Format Preferred (circle):	PAPER DISK E-MAII
If more than one search is submitte	d, please priorit	ize searches in order of ne	ed.
Please provide a detailed statement of the search include the elected species or structures, keywithity of the invention. Define any terms that known. Please attach a copy of the cover sheet	ch topic, and describ ords, synonyms, acro may have a special r	e as specifically as possible the sub onyms, and registry numbers, and c meaning. Give examples or relevan	pect matter to be searched. ombine with the concept or
Title of Invention:			
Inventors (please provide full names):			
Earliest Priority Filing Date:			V-10-10-10-10-10-10-10-10-10-10-10-10-10-
For Sequence Searches Only Please include al appropriate serial number.	I pertinent information	n (parent, child, divisional, or issued p	atent numbers) along with the
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STAFF USE ONLY	Type of Search	Vendors and cost	where applicable
Searcher: Dublink	NA Sequence (#)	NTS	
Searcher Phone =:	AA Sequence (#)	Dialog	
Searcher Location.	Structure (#)	Questel Orbit	
Date Searcher Picked Up: 8/15	Bibliographic	Dr.Link	
Date Completed	Litigation	Lexis/Nexis	<u> </u>
Searcher Prep & Review Time	Fulltext	Sequence Systems	
Clencal Prep Time	Patent Family	www/Internet	·

PTO-1590 (1-2000)

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Title:
Perfect score:
Sequence:
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq
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length: 2000000000
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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471.4 280.8	716.2 471.4	717.8	717.8	717.8	729	Score
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AB041229 HSOGPCR1	AF292402 AF242875	AF272363	AB041228	AF242874	AC008571	ID
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Biblicheria: Primates; Catarrhini 1 to 216673) Genome Institute. of Human Chromosome 5 d 1 to 216673) Penome Institute. nission (03-AUG-1999) Production Seque ritute, 2800 Mitchell Drive, W 2000 this sequence version rep me Center int Genome Institute j. JGI ormation formation formation per Name: 396672, H361 per name: CIT-HSPC_550M4	216673 bpens chromosed pieces. 3 GI:77089 _PHASE1; H7	# 9 280.8 38.5 1318 89 AF272362 AF272362 Homo sapi 1 280.8 38.5 1318 89 AF272362 AF272362 Homo sapi 1 280.8 38.5 137451 64 ACO17104 Homo sapi 1 285 35.0 1209 94 AF248873 AF242873 AF24
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QΥ

361 gccctctttgagaccgtgtgcttcgcctccatcctcagcatcaccaccgtcagcgtggag 420

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Summary Statistics

Consensus quality: 197198 bases at least Q40

Consensus quality: 207925 bases at least Q20

Consensus quality: 210803 bases at least Q20

Estimated insert size: 223000; pulse field gel estimation

Estimated insert size: 21873; sum-of-contigs estimation

Quality coverage: 5.46 in Q20 bases; pulse field gel estimation

Quality coverage: 5.64 in Q20 bases; num-of-contigs estimation.

* NOTE: This is a 'working draft' sequence. It currently

* consists of 9 contigs. The true order of the pieces

* is not known and their order in this sequence record is

* arbitrary. Gaps between the contigs are represented as

* This record will be updated with the finished sequence

* as soon as it is available and the accession number will

* be preserved.
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/db_xref="taxon:9606"
/chromosome="5"
/clone="CTC-550M4"
/Clone_lib="CalTech human BAC library C"
/a 41883 c 42226 g 55000 t 811 others
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167091: contig
167191: gap of 1
216673: contig
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54776: contig
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3148: gap of unknown length
8405: contig of 5257 bp in length
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ALSSEOMSRTNYQSFHFNKT"

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1 (bases 1 to 1239)

Howard,A.D., Wang,R., Pong,S.S., Mellin,T.N., Strack,A., Guan, Jeng,Z., Williams,D.L. Jr., Feighner,S.D., Nunes,C.N., Murphy, Stair,J.N., Yu,H., Jiang,O., Clements,M.K., Tan,C.P., McKee,K.Hreniuk,D.L., McDonald,T.P., Lynch,K.R., Evans,J.F., Austin,C.I. Caskey,C.T., Van der Ploeg,L.H. and Liu,Q. Identification of receptors for neuromedin U and its role in fermions.
                                                                                                                                                                                                                                   Submitted (09-MAR-2000) Pharmacology, Point, PA 19486, USA
                                                                                                                                                                                                                                                         Liu,Q., McDonald,T.P., Wang,R.,
Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Januardii, Takeda Chemical Industries, LTD, Discovery Research Laboratories 1; 10 Wadai, Tsukuba, Ibaraki 300-4293, Japan (E-mail:Shintani_Yasushi@takeda.co.jp, Tel:81-298-64-5011, Fav.81-208-64-5010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Shintani,Y., Moriya,T.,
Direct Submission
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Shintani, Y., Fukusumi, S.,
Nishimura, O. and Fujino, M.
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Mammalia; Eutheria;
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/product="G protein-coupled receptor TGR-1"
/protein_id="BaB13721.1"
/db_xref="G1:10257381"
/ttans.lation="MEKLONASNIYQOKLEDPFOKHLNSTEEYLAFLCGPRRSHFFLP
/ttans.lation="MEKLONASNIYQOKLEDPFOKHLNSTEEYLAFLCGPRRSHFFLP
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/codon_start=1
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/db_xref="taxon:9606"
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Sutheria; Primates; Catarrhini; Hominidae; Homo.
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99.7%;
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., Onda,H.,
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10899166
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Direct Submission
Submitted (25-MAY-2000)
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1 (bases 1 to 1298)

Raddatz, R., Wilson, A.E., Artymyshyn, R., Bonini, J.A., Borowsky, B.

Boteju, L.W., Zhou, S., Kouranova, E.V., Nagorny, R., Guevarra, M.S.,

Boti, M., Lerman, G.S., Vaysse, P.J., Branchek, T.A., Gerald, C.,

Forray, C., and Adham, N.
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                                                                                                                                                                                                                                                                                               Pharmaceutical Corporation,
                                                                                                                                                                                                                                                                                                                                                                                                              Differentially Expressed
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/note="G protein-coupled receptor"
                                                                                                                                                                                                               /organism="Homo sapie
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                                                                                                                                                                                                                                                                                                                                                                                        Chem.
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ion, 215 College Road, Paramus, N
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FALCWAPFHIDRLFFSTVEEWSESLAAVENLVHVVSGVFFYLSSAVNPILYNLLSRRF
QAAFQNVISSFHKQWHSQADEPQLPPAQRNIFLTECHFVELTEDIGPQFPCQSSMHNSH
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Submitted (02-AUG-2000) Human Genon
Research Institute, 2015 Galloping
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J. Biol. Chem. 275 (50), 39482-39486 (2000)
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VTSFLFYLLPMTVISVLYYLMALRLKKDKSLEADEGNANIQRPCRKSVNKMLFVLVLVLV
FAICMAPPHIDRLFFSFVEENSESLAAVFNLVHVVSGVFFYLSSAVNPIIYNILSRRF
QAAFQNVISSFHKQMHSQHDPQLPPAQRNIFLTECHFVELTEDIGPQFPCQSSMHNSH
LPTALSSEQMSTTNYQSSFHRNKT"
393 C 270 g 317 t
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/protein_id="AAG03064.1"
/db_xref="GI:9944990"
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/db_xref="taxon:9606"
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No. 3.9e-127;
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                                                                                                                                                                                                                                                                                                                                                                                    Liu,Q., McDonald,T
Direct Submission
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Howard,A.D., Wang,R., Pong,S.S., Mellin,T.N., Strack,A., Guan,X.M., Zeng,Z., Williams,D.L. Jr., Feighner,S.D., Nunes,C.N., Murphy,B., Stair,J.N., Yu,H., Jiang,Q., Clements,M.K., Tan,C.P., McKee,K.K., Hreniuk,D.L., McDonald,T.P., Lynch,K.R., Evans,J.F., Austin,C.P., Caskey,C.T., Van der Ploeg,L.H. and Liu,Q.
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/product="neuromedin U receptor 2"
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LVMSTSVVFSLPNTSIHGIKFQHFPNGSVFSVPGSATCTVTKPMMYVNLLIQATSFLFYI
LPMTLISVLYYLMGLRLKRDESLEANKVAVNJHRPSRKSVTKMLFVLVLVFAICWTPF
HVDRLFFSFVBEWTESLAAVFNLIHVVSGVFFYLSAVNPIIYNLLSRFFRAAFRNVV
SPTCKWCHPRHRPQGPPAQKIIFLTECHLVELTEDAGPQFPGQSSIHNTNLTTAPCAG
                                                                                                                                                                         /codon_start=1
                                                                                                                                                                                            /note="FM-4"
                                                                                                                                                                                                         /gene="NMU2R"
                                                                                                                                                                                                                                                                                   /strain="Sprague-Dawley"
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G protein-coupled receptor TGR-1.
Rattus norvegicus cDNA to mRNA.
SM Rattus norvegicus CDNA to mRNA.
Eukaryota; Metazoa; Chordata; Cramammalia; Eutheria; Rodentia; Sc
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Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hinuma, Takeda Chemical Industries, LTD, Discovery Research Laboratories 1; Wadai 10, Tsukuba, Ibaraki 300-4293, Japan [E-mail:Hinuma_Shuji@takeda.co.jp, Tel:81-298-64-5035,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (03-APR-2000) to the DDBJ/EMBL/GenBank databases Hinuma, Takeda Chemical Industries, LTD, Discovery Research
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/protein_id="BaB13722.1"
/db_xref="GI:10257383"
/db_xref="GI:10257383"
/translation="MGKLENASWIHDPLMKYLNSTEEYLAHLCGPKRSDLSLPVSVAY
ALIFLVGVMGNLLVCMVIVRHQTLKTPTNYYLFSLAVSDLVLLLGMPLEIYEMWHNY
PELFGPVGCYFK7ALFETVCFASILSVTTVVSVBRYVAIVHPFRAKLESTRRRALRILS
LVMSFSVVFSLPNTSHIGIKFQHFPPHOSSVPSATCTTVTKPMWYVNLIJQATSFLFY
LPMTLISVLYYLMGLRLKRDESLEANKYAVNIHRPSRKSVTKMLFVLVLVFAICWTPF
HVDRLFFSFVEEWTESLAAVFNLIHVVSGVFFYLSSAVNPIIYNLSRRFRAAFRNVV
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127. .
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                                                                                                                                                                                                                 Tan,C.T., McKee,K.K., Palyha,O.C., Smith,R.G. and Howard,A.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                832
                                                                                                                                                                              Submitted (16-JAN-1998) Biochemistry and Physiology, Inc., P.O. Box 2000, Rahway, NJ 07065, USA
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/db_xref="taxon:9606"
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Bonini, J.A., Raddatz, R.,
Direct Submission
Submitted (25-MAY-2000) T
                                                                                                                                                                                                                                                         Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

(bases 1 to 1318)

Raddatz,R., Wilson,A.E., Artymyshyn,R., Bonini,J.A., Borowsky,B.
Boteju,L.W., Zhou,S., Kouranova,E.V., Nagorny,R., Guevarra,M.S.,
Dai,M., Lerman,G.S., Vaysse,P.J., Branchek,T.A., Gerald,C.,
Forray,C. and Adham,N.
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Homo sapiens neuromedin
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                                                                                                             Pharmaceutical Corporation,
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Mammalia; I
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                         /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="2"
                                                                                  Location/Qualifiers
/map="2q34-q37"
1. .1318
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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RESULT 1 AC017104

LOCUS DEFINITION

AC017104 Homo sap

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16-MAR-2001 IG DRAFT SEQUENCE,

187451 bp

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                          ctcatggcactcagagtgag
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TTGSTLCDVGSLGSWVHPLAGNDGPEAQQETDPS"

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/protein_id="AAG24793.1"
/db_xref="GI:10946201"
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38. .1318
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/note="G protein-coupled receptor"
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Sequencing vector: M13; 37%
Sequencing vector: plasmid; 63%
Chemistry: Dye-primer ET; 37% of reads
Chemistry: Dye-terminator Big Dye; 63% of reads
Assembly program: Phrap; version 0.990319
Consensus quality: 184599 bases at least 040
Consensus quality: 185465 bases at least 030
Consensus quality: 185902 bases at least 020
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Insert size: 186551; sum-of-contigs
Quality coverage: 7.91 in Q20 bases; agarose-fp
Quality coverage: 7.35 in Q20 bases; sum-of-contigs
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Direct Submission
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ACO17104
ACO171046 GI:13357551
HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_FULLTOP.
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This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             63108, U
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GTGCCAGACTCAGCTGTTTGCATGCTGGTCCGCCCCACGGGCCCTCTACAACATGGTAGTG
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                     ccttggaatgcccctggaggtctatgagatgtggcgcaactaccctttcttgttcgggcc 338
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                                                                   GCACACGCCCACCAACTTCTACCTCTTCAGTCTCGCGGTGTCCGATTTGCTGGTGCTCCT
                                                                                        gaagacgcccaccaactactacctcttcagcctggcggtctctgacctcctggtcctgct 278
                                                                                                                                                                     tgtggtgggggtcattggcaatgtcctggtgttgcctggtgattctgcagcaccaggctat 218
                                                                                                                                                                                                                 CTTGGGGCCACAGCAGGTAAAACAATTTTTGCCCCATCTGTGTCACGTACCTGTTGATCTT 143
                                                                                                                                                                                                                                              ctgcggacctcggcgcagccacttcttcctccccgtgtctgtggtgtatgtgccaatttt 158
                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 (bases 1 to 1209)
Liu,Q., McDonald,T.P.,
Direct Submission
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Eukaryota; Metazoa;
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IALVIVFGTCWVPFHADRLMWSMVSHWTDGLRLAFQSVHLASGVFLYLGSAANPVLYN
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J. Biol. Chem. 275 (28), 21068-21074 (2000)
                                                                                                                                                                                                                                                                               Submitted (22-FBB-2000) to the DDBJ/EMBL/GenBank databases.
                                                                                                                                                                                                                                                                                                                                                      Fukusumi,S., Fujii,R. and Hinuma,S. Direct Submission
                                                                                                                                                                                                                                                                    (E-mail:Hinuma_Shuji@takeda.co.
Fax:81-298-64-5000)
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LELYEMQHNYPFQLGAGGCYFRILLLETVCLASVLNVTALSVERYVAVVHPLQAKSVM
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/db_xref="taxon:10116"
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RERRQVTKMLIALVIVFGTCWVFFHADRLMWSWVSHWTDGLRLAFQSVHLASGVFLYL
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37; Conservative
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Location/Qualifiers
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PFQLGASACYRFAILLLETVCLASVLNVTALSVERVAVVRFQAKSVMTRAHVRRMVG
AIWVLATLESLENTSLHGLSQLTVPCRGPVDDSAICSLVGPMDFYKLVVLTTALLFEIC
LPMVTISVLYLLIGLRLRRERMLLQVEVKGRKTAATQETSHRRIQLQDRGRRQVTKML
FALVVVFGICWAPFHADRIMMSLVYGHSTEGLHLAYQCVHIASGIFFYLGSAARVVLY
SLMSTBFRETFLQALGLGTQCCHROPYHGSHNHIRLTTGSTLCDVGHRNSRDEPLAV
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/translation_"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (18-JUN-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequencing reads that have not been assembled into contigs. Runs of N are used to separate the reads and the order in which they appear is completely arbitrary. Low-pass sequence sampling is useful for identifying clones that may be gene-rich and allows overlap relationships among clones to be deduced. However, it should not be assumed that this clone will be sequenced to completion. In the event that
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Center clone name: 154_A_7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      preserved.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Center code: WIBR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Center: Whitehead Institute/ MIT Center for Genome Research
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                                                                                                                                                                                                               734 833; gap of 100 bp 10 length 1540; contig of 707 bp in length 1640; gap of 100 bp 
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3981: co
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                                                                                                                                      3156:
                                                                                                                                                                                             334: contig of 694 gap of 100 br
of 100 bp
contig of 725 bp in
                                                                                                             of 100 bp contig of 722 bp in length
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3131600 31314: contig of 715
31315 31414: gap of 100 k
31415 32126: contig of 712
32127 32226: gap of 100 k
32227 32948: contig of 722
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9907 10636: contig of 1

10637 10736: gap of 1

10737 11426: contig of 6

11427 11526: gap of 1

11427 11526: gap of 1
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16572 173:
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5659 5758: gap
6493:
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12362 13307: contig of 736
13098 13197: gap of 100 b
13198 13197: gap of 100 b
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3 28942: gap of 100 bp
3 29675: contig of 733 b
6 29775: gap of 100 bp
3 30499: contig of 724 b
33048: gap of
33774: contig
33874: gap of
                                                                                                                                                                                                                                                                                                                                                                                                                                                  2534: contig of 735 bp
25634: gap of 100 bp
26371.
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9806: cor
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4828: contig of 747 l
4928: gap of 100 bp
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15724: gap of 100 bp
16471: contig of 747 bp in 16
16571: gap of 100 bp
17304: contig of 733 bp in 16
17404: gap of 100 bp
1813: contig of 709 bp in 16
18213: gap of 100 bp
18940: contig of 727 bp in 16
19040: gap of 100 bp
19753: contig of 713 bp in 16
19753: contig of 713 bp in 16
19753: contig of 698 bp in 16
20551: gap of 100 bp
20551: gap of 100 bp
20551: gap of 100 bp
20571: gap of 100 bp
20571: gap of 100 bp
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3471: gap of 100 bp
27211: contig of 740 b
'311: gap of 100 bp
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18: gap of 100 kg
18: gap of 100 kg
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772: gap of 100 bp
24699: contig of 727 bp
99: gap of 100 bp
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22207: contig of 729 bp in
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14779: contig of
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L4: contig of 715
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24: contig of
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                                        TCCGCACGCTAANCGTTTGAGATGGTCTGCCTGGCCTCAGTGCTCAACGTCACTGCCCTG
                                                    tcaagacggcctc-tttgagaccgtgtgcttcgcctccatcctcagccatcaccaccgtc
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192 51291: gap of 100 bp
192 52034: contig of 743 bp in 16
135 52134: gap of 100 hp
135 52174: gap of 100 hr
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43000: gap of 100 bp
43747: contig of 747 bp in length
43847: gap of 100 bp
44593: con++-
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54612: gap of 100 bp
55325: contig of 713 bp in
55425: gap of 100 bp
56150: contig of 725 bp in
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89: gap of
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76: contig of 713 bp in
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hreniuk,D.L., Smith,R.G., Howard,A.D. and Van der Ploeg,L.H. Cloning and characterization of two human G protein-coupled receptor genes (GPR38 and GPR39) related to the growth hormone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    secretagogue and neurotensin receptors
Genomics 46 (3), 426-434 (1997)
98110578
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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                               /translation="MGSPWNGSDGPEGAREPPWPALPPCDERRCSPFPLGALVPVTAV
CLCLFVVGVSGNVTVMLIGRYRDMRTTINLYLGSMAVSDLLILLGLPFDLYRLWRSR
PWYRGPLLCRISLYVGEGCTYATLLHHTALSVERYLAIGRPLRARVLVTR
VLWAVALLSAGPFLFLVGVEQDPGISVVPGLNGTARIASSPLASSPPLWLSRAPPPSP
PSGPETAEAAALFSRECRPSPAQLGALRVMLWYTTAYFFLPFLCLSILYGLIGRELWS
SRRPLRGPAASGRERGHRQTVRVLLVVVLAFIICWLPFHVGRIIYINTEDSRMWYFSQ
                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="13"
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/gene="GPR38"
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/gene="GPR38"
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/db_xref="GI:2654159"
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ORIGIN
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                      608 tcatcaagcc 617
                                548 gcatcaagttccactacttccccaatgggtccctggtcccaggttcggccacctgtacgg 607
                                                                                                    188 tytycctygtyattctycaycaccayyctatyaayacycccaaccaactactacctottca 247
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Search completed: August 30, 2001, 02:49:04 Tob time: 20471 sec

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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Query Match Best Local Similarity Matches 719; Conserv

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                                           The present sequence encodes a human G-protein coupled receptor neurotensin-like receptor (NLR). The NLR polynucleotide and protein can be used to isolate compounds that bind, (ant)agonise or alter the activity or expression of the NLR. The NLR is a G-protein couple receptor which is expressed in the central nervous system and shares homology with human neurotensin receptor. The receptors can be used assays to identify agents for producing anasthesia and analgesia.
                                                                                                                                                                                                                                    Claim
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  Sequence 1360
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(TAKE ) TAKEDA CHEM IND LTD.
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                                                                                                                                                                                                                                                                           WO200114883-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAF76231 4
                                                                                                                                                                                                                                                       Human; FM-3; G-Protein coupled receptor; orphan receptor; signal tranduction disorder; drug discovery; drug design; ss.
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RESULT
AAA30663
                The invention relates to constitutively active, non-endogenous versions CC of endogenous human orphan G protein-coupled receptors (GPCRs, AAY90643-AX906677 and AAY90683-Y90687), and to DNA encoding them (AAA30709-A30743 CC and AAA30775-A30779). The mutant proteins of the invention contain a CC mutation in a portion of the protein comprising intracellular loop 3 (IC3) and transmembrane domain 6 (TM6). A non-endogenous amino acid, x, cis substituted for an endogenous residue in IC3 at a position 16 amino acid substituted for an endogenous proline in TM6 to form a sequence CC (ACA)15-Pro. The endogenous proline in TM6 to form a sequence CC (ACA)15-Pro. The endogenous proline in TM6 to form a sequence CC (ACA)15-Pro. The endogenous amino acid is selected from Lys, His, Arg CC or Ala, and is preferably Lys. When the endogenous residue at this CC position is Lys, this residue is replaced by His, Arg or preferably Ala. CC The 15 amino acid stretch between the substituted amino acid and the Pro CC may be endogenous, non-endogenous, or a mixture of endogenous and con-endogenous residues. The constitutively active GPCRs are useful for CC identifying antagonists, agonists and partial agonists for use as CC pharmaceutical agents. The mutant proteins are also useful in research constitutions and partial adonations. Antagonists for a particular GPCR are useful for treating diseases and disorders associated with that receptor. Because the novel mutant GPCRs are constitutively active, they can be used
   the novel
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intracellular loop 3; transmembrane domain 6; drug scree
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Homo sapiens Synthetic.

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DNA encoding

human mutant G

protein-coupled receptor MIG

agonist; antagonist;

mutant;

SS

G protein-coupled receptor; GPCR; constitutively active; intracellular loop 3; transmembrane domain 6; drug scree

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Best Local Similarity 65.8
Matches 408; Conservative
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65.8%;
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DB; AAY90673.
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   Claim 10; Fig
                  New receptors useful for identifying agonist and antagonist treating or preventing obesity, anxiety, neuroses, insomnia
                                                              WPI; 2000-147599/13
P-PSDB; AAY44642.
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                                                                                                                                              13-JUL-1998;
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                                                                                                                                                                                                                                                                                                                                                                       antiaddictive;
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Mouse growth
                                  18-APR-2000
                                                                   AAZ49706;
                                                                                                  AAZ49706 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                     The present sequence encodes mouse growth hormone secretagogue related receptor (GHSR-R). This was isolated from a mouse EST derived from a T-cell library. This exhibits 63% identity with human GHSR-R gene. GHSR-R is useful for identifying ligands, agonist or antagonist which binds to it. A GHSR-R agonist or neuromedin U is used in the treatment of obesity, depression, anxiety, compulsion, neuroses, insomnia/sleep disorders, substance abuse, pain, neuroprotective and cognitive disorders and memory enhancement including Alzhamer's disease. GHSR-R antagonist is useful for increasing food interest of a mammal for increasing food in the parameter.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mouse growth hormone secretagogue related receptor; GHSR-R; human GHSR-R gene; ligand; agonist; antagonist; GHSR-R agonist; neuromedin U; obesity; depression; anxiety; compulsion; neuroses; insomnia; sleep disorder; substance abuse; pain; neuroprotective; cognitive disorder; memory enhancement; Alzhelmer's disease; GHSR-R antagonist; anorectic; nootropic; antidepressant; tranquilizer; antiaddictive; analgesic; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 9;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New receptors useful for identifying agonist and antagonist treating or preventing obesity, anxiety, neuroses, insomnia
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Pred. No. 9.6e-44;
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AAZ45403
                                                                  WPI; 2000-105868/09
P-PSDB; AAY54145.
Novel receptor protein for screening compounds used in treating irritable bowel syndrome, constipation and other gastric conditions
                                                                                                                                             Feighner
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Motilin receptor; G-protein coupled receptor; MTL-R1; GPR38; spliced form; MTL-R1A; MTL-R1B; gastric motility disorder; sfunctional defect; neurological disorder; scleroderma; colonoscopy; paraneoplastic syndrome; radiation induced dysmotility; diabetes; infection; stress-related motility disorder; psycheenic disorder; infection; stress-related motility disorder; psychenic disorder;
                                                                                                                                                                                  (MERI ) MERCK & CO INC
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Smith
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h RG;
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XXEXXXX

27-MAR-2000

(first entry)

AAZ45404 standard; cDNA; 1390

ВP

cDNA encoding the motilin receptor splice

variant MTL-R1B

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8X 66666666666666666688X 8X
                                                                                                                                                 The present sequence encodes splice variant MTL-RIA of the motilin receptor. The gene encodes a G-protein coupled receptor, and is designated MTL-RI (also GPR38). Two spliced forms of GPR38 exist, MTL-RIA (see AAY54145) and MTL-RIB (see AAY54145). MTL-RIA is a functional seven transmembrane domain form, and MTL-RIB is a truncated five transmembrane domain, The MTL-RIP proteins are used to identify agonists and antagonists which can be used for treating gastric motility disorders, functional defects, disorders secondary to neurological disorders, functional defects, disorders syndromes radiation induced dysmotility, diabetes, infections, stress-related motility disorders, systemperic disorders, gastro-paresis, gastro-esophageal reflux disease, constipation, chronic idiopathis pseudo obstruction, acute faecal impaction, nostonerative ilens. nallstones. infantile callic, irritable
                                                                           impaction, postoperative ileus, gallstones, infantile collic, irrita bowel syndrome, non-ulcer dyspepsion, non-cardiac chest pain and diarrhoea. They can also be used in the preparation for colonoscopy,
         Sequence 1239 BP;
                                                            endoscopy and duodenal intubation.
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   172 A; 431 C;
397 G; 239 T;
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56.1%;
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                                                                                                                                                                                                                                                                                                functional seven transmembrane domain form, and WTL-R1B is a truncated five transmembrane domain, The MTL-R1 proteins are used to identify agonists and antagonists which can be used for treating gastric motility disorders, functional defects, disorders secondary to neurological disorders e.g. scleroderma, paraneoplastic syndromes radiation induced dysmotility, diabetes, infections, stress-related motility disorders,
                                                                                                                                                                                                                                                                                                                                                                          The present sequence encodes splice variant MTL-R1B of the motil receptor. The gene encodes a G-protein coupled receptor, and is designated MTL-R1 (also GPR38). Two spliced forms of GPR38 exist MTL-R1A (see AAY54145) and MTL-R1B (see AAY54146). MTL-R1A is a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel receptor protein for screening compounds used in treating irritable bowel syndrome, constipation and other gastric conditions
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DB; AAY54146.
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                                     ccgtgatgctgatcgggcgctaccgggaccatgcggaccaccaccaacttgtacctgggca
                                                     tgccggtgaccgctgtgcctgtgcctgttcgtcgtcggggtgagcggcaacgtggtga 175
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(first entry)

Human; G protein coupled receptor; GPCR; transmembrane receptor; identification; agonist; screening; therapeutic; pharmaceutical; Human G protein coupled receptor hGPR38 (V297K) cDNA SEQ ID NO:129.

99US-0136436 99US-0136439 99US-0137127 99US-0137127 99US-0137131 99US-0137567 99US-0141448 99US-0151114 99US-015524 99US-0156633 99US-0123948. 99US-0123949. 99US-0123951. 99US-0123946 9908-0123945 99US-0123944 99US-0121852 98US-0110060 99US-0120416 99WO-US24065 -0170496

9905-0156634

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Best Local Similarity
Matches 275; Conserv
      AAZ45402 standard; DNA; 3066 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes transmembrane receptors, preferably human G protein coupled receptors (GPCR), for which the endogenous ligand is unknown (orphan GPCR receptors). More specifically the present invention relates to non-endogenous, constitutively activated versions of a human GPCR. These non-endogenous human GPCRs can be useful for the direct identification of candidate compounds as receptors agonists, inverse agonists or partial agonists for use as pharmaceutical agents. AAA46017 to AAA46126 and AAB02825 to AAB02859 represent sequences used in
                                                                       593
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iaw CW, Lin I, I
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56.1%;
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Pred. No. 2.3e-20;
0; Mismatches 212;
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The present sequence represents the genomic sequence of the motilin receptor gene, including the 5' untranslated region (5' UTR). This gene encodes a G-protein coupled receptor, and is designated MTL-R1 (also GPR38). Two spliced forms of GPR38 exist, MTL-R1A (see AAY54145) and MTL-R1B (see AAY54146). MTL-R1A is a functional seven transmembrane domain form, and MTL-R1B is a truncated five transmembrane domain, The WTL-R1 proteins are used to identify agonists and antagonists which car be used for treating gastric motility disorders, functional defects, disorders secondary to neurological disorders e.g. scleroderma, paraneoplastic syndromes radiation induced dysmotility, diabetes, infections, stress-related motility disorders, psychgenic disorders, nestronarcaic general reflux disease.
                                 gastroparesis, gastro-oesophageal reflux disease, constipation, chronic idiopathis pseudo obstruction, acute faecal impaction, postoperative ileus, gallstones, infantile collic, irritable bowel syndrome, non-ulcer dyspepsion, non-cardiac chest pain and diarrhoea. They can also be used in the preparation for colonoscopy, endoscopy a
                                                                                                                                                                                                                                                                                                                                            Novel receptor protein for screening coirritable bowel syndrome, constipation
                                                                                                                                                                                                                                                                                                                 Example 1; Fig 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      paraneoplastic syndrome; radiation induced dysmotility; diabetes; infection; stress-related motility disorder; psychienic disorder; gastroparesis; gastro-oesophageal reflux disease; constipation; chronic idiopathis pseudo obstruction; acute faecal impaction;
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1 RG;
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/note= "imperfect donor site"
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         RESULT 13
AAZ45405
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Best Local Sim
Matches 275;
16-DEC-1999
                                                                                                                                                                                                              gastroparesis; gastro-oesophageal reflux disease; constipation;
chronic idiopathis pseudo obstruction; acute faecal impaction;
                                                                                                                                                                                                                                      Motilin receptor; G-protein coupled receptor; MTL-R1; GPR38; spliced form; MTL-R1A; MTL-R1B; gastric motility disorder; functional defect; neurological disorder; scleroderma; colonoscopy; paraneoplastic syndrome; radiation induced dysmotility; diabetes; infection; stress-related motility disorder; psychgenic disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ45405 standard;
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                                      W09964436-A1
                                                                                                                                                                                                                                                                                                                                DNA encoding the
                                                                                                                                                                                                                                                                                                                                                             27-MAR-2000
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                                                                                                                                       Spheroides nephelus
                                                                                                                                                                                 postoperative ileus; gallstones; infantile collic; diarrhoea; irritable bowel syndrome; non-ulcer dyspepsion; non-cardiac c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      tggccatcctacacccgttccgcgccaaactgcagagcacccggcgcggggccctcagga
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                                                                                                                                                                    duodenal intubation;
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                                                                                             1..1092
                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                puffer fish motilin receptor
                                                                /product=
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56.1%;
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                                                                 "motilin receptor"
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Pred. No. 2.5e-20;
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                                                                                                                                                                                                                                                                                                                                gene clone
                                                                                                                                                                                  non-cardiac chest
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                      495
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      categtetggggetteteegtgetetteteeetgeecaacaceageateeatggeateaa
                                                                 gtacgtgccgtggctgttcggcgaggccgtgtgccgcctctaccactacatcttcgaagg
                                                                                                                                                                                  caactaccctttcttgttcgggcccgtgggctgctacttcaagacggccctctttgagac
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                                               cagcttccccctcaggagcaaggtgatggtgaccaggagaagggtccagtacatcatcct
                                                                                                       ctgcacgtcggccaccatcctccacatcacggccctgagcatcgagcgctacctggccat
                                                                                                                        cgtgtgcttcgcctccatcctcagcatcaccaccgtcagcgtggagcgctacgtggccat 434
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AAY54145) and MTL-RIB (see AAY54146). MTL-RIA is a functional seven transmembrane domain form, and MTL-RIB is a truncated five transmembrane domain, The MTL-RIB is a truncated five transmembrane domain, The MTL-RIB is a truncated five and antagonists which can be used for treating gastric motility disorders, functional defects, disorders secondary to neurological disorders e.g. scleroderma, paraneoplastic syndromes radiation induced
                                                                                                                                             dysmotility, diabetes, infections, stress-related motility disorders, psychjenic disorders, gastroparesis, gastro-oesophageal reflux disease, constipation, chronic idiopathis pseudo obstruction, acute faecal impaction, postoperative ileus, gallstones, infantile collic, irritable bowel syndrome, non-ulcer dyspepsion, non-cardiac chest pain and diarrhoea. They can also be used in the preparation for colonoscopy,
                                                                                                                                                                                                                                                                                                                                                       The present sequence encodes a motilin receptor (clone 75E7) which is related to the human motilin receptor of the invetion. The specification describes a G-protein coupled receptor, designated MTL-R1 (also GR38). Two spliced forms of GR38 exist, MTL-R1A (see
                                                                                                                                    endoscopy and duodenal intubation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel receptor protein for screening irritable bowel syndrome, constipation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                            6; Fig 7; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patchett AA, h RG;
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                                                                                                  205
                              18.3%;
51.4%;
                                                                                                  Α;
                                                                                                  391 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            r screening compounds used in treating constipation and other gastric conditions
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290
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                                                                                                  G; 206
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                                                                                                  other;
                                            Length
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RESULT 14
AAT33127
ID AAT331
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                                                                                                                                                             Query Match
Best Local Similarity
Matches 337; Conserv
                                                                                                                                                                                                                                                                       The present sequence encodes a human neurotensin receptor protein (AAR98562). The DNA and protein are useful for screening for (ant)agonists used to treat Parkinson's disease, depression, demen
                                                                                                                                                                                                                                                                                                                                                     DNA encoding human neurotensin receptor protein - useful for screening for (ant)agonists used to treat, e.g. Parkinson's disease, depression, dementia, retrograde oesophagitis, ulcers, etc.
                                                                                                                                                                                                                                     Sequence 1254 BP; 215 A; 459 C;
                                                                                                                                                                                                                                                                                                                                Claim 4; Page 22; 26pp; Japanese.
                                                                                                                                                                                                                                                             retrograde oseophagitis, ulcers, etc..
                                                                                                                                                                                                                                                                                                                                                                                                                  P-PSDB; AAR98562.
                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1996-318958/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-NOV-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JP08143597-A
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Parkinson's
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                                                                                                                          114 cagocacttottocotococgtgtotgtggtgtatgtgccaatttttgtggtgggggtcat 173
    297
                               227
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                                                                     tggcaatgtcctggtgtgcttggtgattctgcagcaccaggctatgaagacgc-----
              --ccaccaactactacctcttcagcctggcggtctctgacctcctggtcctggtccttgg 284
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                                                   gggcaacacggtgacggcgttcacgctggcgcggaagaagtcgctgcagagcctgcagag
                                                                                                         catctactccaaggtgctggtgaccgccgtgtacctggcgctcttcgtggtgggcacggt 236
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                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     receptor; antagonist;
disease; depression; (
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                                                                                                                                                                              17.4%;
53.9%;
                                                                                                                                                                Score 127; DB 17;
Pred. No. 9.9e-19;
0; Mismatches 270;
                                                                                                                                                                                                                                   359 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 dementia; screening; treatment; uld
dementia; retrograde oseophagitis;
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                                                                                                                                                                                           Length 1254;
                                                                                                                                                                  Indels
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The present sequence

encodes a canine growth hormone secretagogue

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RESULT 15
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                  Claim 2; Fig 1; 32pp;
                                        A novel canine growth hormone secretagogue receptor used agonists and antagonists -
                                                                         WPI; 2000-224272/19.
P-PSDB; AAY69293.
                                                                                                                                                                                                                                                                                                Canis
                                                                                                                                                                                                                                                                                                                  Canine; growth hormone secretagogue receptor; GHSR; dog;
                                                                                                        Howard AD,
                                                                                                                                (MERI ) MERCK & CO INC
                                                                                                                                                     10-AUG-1998;
                                                                                                                                                                          06-AUG-1999;
                                                                                                                                                                                                                    WO200009538-A2
                                                                                                                                                                                                                                                                                                                                        cDNA encoding
                                                                                                                                                                                                                                                                                                                                                               19-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                         AAZ61492 standard;
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Query Match
Best Local Similarity
Matches 306; Conserv
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US/09077675A US/09077675A TYNH SCOTT C. Andrew D. eng-Shung Ploeg, Leonardus H.T. RECEPTOR ASSAY 16 CO., Inc. 2000, 126 E. Lincoln 2000, 126 E. Lincoln Ette patible pos DOS DOS DOS US/09/077,675A N-1998 TA: STICS: UMBER: 19590P FORMATION: HOO: 6: TICS: Pairs dairs daird gle	28 88.8 12.2 1997 1 US-08-722-001-2 29 88.8 12.2 2004 1 US-08-722-001-1 30 88.6 12.2 1639 1 US-08-334-698-5 31 88.6 12.2 1639 1 US-08-406-855A- 32 88.6 12.2 1639 2 US-08-468-939-5 35 88.6 12.2 1639 2 US-08-472-190-5 36 88.6 12.2 1639 3 US-08-244-354-5 37 88.6 12.2 1639 3 US-09-206-899-5 38 88.6 12.2 1639 3 US-09-206-899-5 39 88.6 12.2 1639 3 US-09-206-899-5 30 88.4 12.1 1639 5 PCT-US95-04203-399-1 40 87.6 12.0 1342 4 US-09-077-675A-399-1 41 87 11.9 1342 4 US-09-372-498-1 42 87 11.9 1634 1 US-08-417-103-1 43 87 11.9 1634 1 US-08-417-103-1 44 86.8 11.9 921 1 US-08-417-103-1 45 86.8 11.9 1567 1 US-08-722-001-2 45 ALIGNMENTS
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GENERAL INFORMATION:
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                            SOFTWARE: FASTEED for Windows Version CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,675A
FILING DATE: 3-JUN-1998
                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc
STREET: P.O. Box 2000, 126
                                                                                                                                                                                                                                                          APPLICANT: Howard, Andrew D.
APPLICANT: Pong, Sheng-Shung
APPLICANT: Van Der Ploeg, Leonardus
TITLE OF INVENTION: RECEPTOR ASSAY
NUMBER OF SEQUENCES: 16
                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
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: Sequence 1, Application
: Patent No. 6242199
: GENERAL INFORMATION:
APPLICANT: Pai, Lee
: APPLICANT: Feighne:
APPLICANT: Howard,

Pai, Lee-Yuh Feighner, Scott Howard, Andrew 1

Scott C.

US-09-077-675A-1

Application US/09077675A

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Best Local Similarity 52.3%;
Matches 290; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
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LENGTH: 1122 base pairs
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FILING DATE:
ATTORNEY/AGENT INFORMATION:
   924
                          672 ccccatgactgtca 685
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REGISTRATION NUMBER: '
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME:
                                                                                                              GGAGCACGAGAACGGCACCGACCCTTGGGACACCAACGAGTGCCGCCCCCACCGAGTTTGC
TGTCTTCTGTCTCA
                                                    CTTCGTCATCTGGGCCGTGGCCTTCTGCAGCGCCCGGGCCCATCTTCGTGCTAGTCGGGGT
                                                                                                                                                                                          cggcatcgtctggggcttctccgtgctcttctccctgcccaacaccagcatccatggcat
                                                                                                                                                                                                                                catcotacacccgttccgcgccaaactgcagagcacccggggccctcaggatcct 491
                                                                                                                                                                                                                                                                                                          gaccgtgtgcttcgcctccatcctcagcatcaccaccgtcagcgtggagcgctacgtggc 431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CGTCACAGCCACCTGCGTGGCACTCTTCGTGGTGGGTATCGCTGGCAACCTGCTCACCAT 446
                                                                                                                                                                                                                                                                                           GAGCTGCACCTACGCCACGGTGCTCACCATCACAGCGCTGAGCGTCGAGCGCTACTTCGC
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Pred. No. 1.6e-17;
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APPLICANT: Pong, She APPLICANT: Van Der TITLE OF INVENTION:

Pong, Sheng Shung Van Der Ploeg, Leonardus H.T. WENTION: RECEPTOR ASSAY

NUMBER OF SEQUENCES: 1

P.O. Box 2000, 126 E. Lincoln

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Best Local Similarity 52.2%;
Matches 302; Conservative
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NAME: Cocuzzo, Anna L.
REGISTRATION NUMBER: 42,452
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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                                                                     394
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                                                                                                                                                                                                           274
                                                                                                                                                                                                                                                                                                                                                   157 GCTGGTAGTGTCACGCTTCCGCGAGATGCGCACCACCACCACCTCTACCTGTCCAGCAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
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FILING DATE: 3-JUN-1998
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                                                                                                                                                         gaccgtgtgcttcgcctccatcctcagcatcaccaccgtcagcgtggagcgctacgtggc 431
                                                                                                                                                                                                         GCAGTACCGGCCTTGGAACCTTGGCAACCTGCTGCAAACTCTTCCAGTTCGTTAGCGA 333
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                           cggcatcgtctggggcttctccgtgctcttctccctgcccaacaccagcatccatggcat 551
                                                                   CATCTGCTTCCCGCTGCGGGCCAAGGTAGTGGTCACCAAGGGCCGGGTAAAGCTGGTCAT
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                                                                                                                                              Query Match
Best Local
                                                                                                                                  Matches
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                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 1029 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION: TELEPHONE: 732-594-1273
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354 GCTGGTAGTGTCACGCTTCCGCGAGATGCGCACCACCACCAACCTCTACCTGTCCAGCAT
                                                                                                                       Local Similarity 52.18; hes 301; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: COCUZZO, Anna L. REGISTRATION NUMBER: 42 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 3 CLASSIFICATION:
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SOFTWARE: FastSEQ
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                 cctggtgattctgcagcaccaggctatgaagacgcccaccaactactacctcttcagcct 251
                                                              CGTCACCGCCACCTGCGTGGCGCTCTTCGTGGTGGTATCGCGGGCAACCTGCTCACGAT 353
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P.O. Box 2000, 126 E. Lincoln Ave
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                                                                                                                                                                                                                                                                                                                                                                732-594-4720
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Feighner, Sco
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                                                                                                                              Score 112.4; DB 4;
Pred. No. 8.1e-16;
0; Mismatches 271;
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Patent No.
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                                TELEX: 224401
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                     ZIP: 49001
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPETWARE: Patentin Release #1.0, Version
NATA:
                 SEQUENCE CHARACTERISTICS:
                                                                            TELECOMMUNICATION INFORMATION: TELEPHONE: 616-385-5210
                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Chio, Christopher L. APPLICANT: Huff, Rita M. TITLE OF INVENTION: A Synthetic Gene
                                                                                                                                                         CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
                                                               TELEFAX:
                                                                                                                             REGISTRATION NUMBER: 33,
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    LENGTH:
                                                                                                           REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                        FILING DATE
                                                                                                                                                                                                                                                                                                                                              STREET: 301 Hen
CITY: Kalamazoo
STATE: Michigan
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o. 5468615
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1161 base pairs
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                                                               616-385-6897
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RESULT 6
US-08-434-877-2
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; TOPOLOGY: lii
; MOLECULE TYPE:
US-08-086-439C-2
                                                                                     COUNTRY: USA
ZIP: 49001
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette (DS,HD)
COMPUTER: Gateway 2000, P5-90
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/08434877 Patent No. 5721132 GENERAL INFORMATION:
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Best Local Similarity
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             CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Darnley Tr
                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS: ADDRESSEE: The Upjob
                                                                                                                                                                                                                                                                                                                                           APPLICANT: Chio, Christopher L. APPLICANT: Huff, Rita M. TITLE OF INVENTION: A Synthetic TITLE OF INVENTION: Receptors
                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
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CITY: Kalamazoo
STATE: Michigan
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   REGISTRATION
                                                                 APPLICATION NUMBER: FILING DATE: 1 July
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                                                                                                                                                                                                                                                              301 Henrietta Street
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                                                                                                                                                                                                                                                                               Property Law
                                                                                                                                                                                                                                                                                         The Upjohn Company,
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                                                                                US/08/434,877
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Pred. No. 8.2e-16;
0; Mismatches 206;
                                                                                                                                                                                                                                                                                                                                                            Gene
                                                                                                                                                                                                                                                                                         Corp. Intellectual
                                                                                                                                                                                                                                                                                                                                                           for D4 Dopamine
                                                                                                              #1.25
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APPLICANT: O'Malley, Karen L
APPLICANT: Todd, Richard D
TITLE OF INVENTION: Gene Encoding the Rat Dopamine D4
FILE REFERENCE: WU 102 CON DIV
CURRENT APPLICATION NUMBER: US/08/475,742
CURRENT FILING DATE: 1995-06-07
EARLIER APPLICATION NUMBER: US 08/261,293
EARLIER FILING DATE: 1994-06-16
EARLIER FILING DATE: 1994-06-16
EARLIER FILING DATE: 1993-01-28
NUMBER OF SEQ ID NOS: 16
NUMBER OF SEQ ID NOS: 16
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TELEX: 224401
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 1161 base pairs
                            SOFTWARE: PatentIn Ver.
SEQ ID NO 3
LENGTH: 1367
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Best Local Similarity
Matches 236; Conserv
                                                                                                                                                                                                                                                                                           Sequence 3, Application US/08475742 Patent No. 6121015
                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
TYPE: DNA
ORGANISM: Homo sapiens
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 616-385-5210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gtctggggcttctcccgtgctcttctcccctgcccaacaccagcatccatggcatcaagttc 558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tgcttcgcctccatcctcagcatcaccaccgtcagcgttggagcgctacgttggccatccta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGCGCGTGGCTGAGCCCCCGCCTGTGCGACGCCCTCATGGCCATGGACGTCATGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                taccetttettgttegggeegtgggtactteaagaeggeeetetttgagaeegtg 378
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GTGGCCACCGAGCGCCCTGCAGACGCCCAACTCCTTCATCGTGAGCCTGGCGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 attctgcagcaccaggctatgaagacgcccaccaactacctccttccagcctggcggtc 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACGTGGCTGCCGCGGCGGTGGCGGCGCCCGTACTGTGCGGCCTCAACGACGTGCGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GTGCCGCTGCGCTACAACCGGCAGGGTGGGAGCCGCCGGCAGCTGCTGCTCATCGGCGCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GCCGACCTCCTCGCTCGCTGGTGCTGCCGCTCTTCGTCTACTCCGAGGTCCAGGGT 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1161 base pairs
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53.4%;
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; JOURNAL: Nature
; VOLUME: 350
; PAGES: 610-614
; DATE: 1991
US-08-475-742-3
                                                                                                                                                                                     Sequence 1, Application US/080560:
Patent No. 5516683
GENERAL INFORMATION:
APPLICANT: Grandy, David K
APPLICANT: Bunzow, James R
APPLICANT: Civelli, Olivier
APPLICANT: Van Tol, Hubert H.
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LOCATION: (1)..(1367)
OTHER INFORMATION: D4 Dopamine Receptor
PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AUTHORS: Van tol, H. H.
AUTHORS: Bunzow, J. R.
TITLE: Cloning of the gene for a human dopamine
TITLE: with high affinity for the antipsychotic
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                        NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                        TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                     638
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CITY: Chicago
                                                     COUNTRY: USA
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                                                                    Illinois
                                                                                                      10 South
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                                                                                                        Allegretti & Witcoff, Ltd
South Wacker Drive, Suite
                                                                                                                                                                        , Hubert
A No. 5
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                                                                                                                                                                            5516683el Human Dopamine Receptor
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RESULT 9
US-07-928-611-17
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Best Local Similarity
Matches 236; Conserv
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TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO:
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TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
                                                                                                                                                                                                                                                                                                                                                                319 taccetttettgttegggeeegtgggetgetaetteaagaeggeeetetttgagaeegtg 378
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NAME/KEY:
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LENGTH: 1370 base pairs
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                                                                 638 GGCCGCGACCCCGCCGTGTGCC
                                                                                             559 cactacttccccaatgggtccc 580
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LOCATION:
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REGISTRATION NUMBER: 35,303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
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                                                                                                                                                           gtctggggcttctccgtgctcttctccctgcccaacaccagcatccatggcatcaagttc 558
                                                                                                                                                                                               GTGCCGCTGCGCTACAACCGGCAGGGTGGGAGCCGGCGGCAGCTGCTGCTCATCGGCGCC
                                                                                                                                                                                                                       caccegttccgcgccaaactgcagagcacccggcgcggggcctcaggatcctcggcatc 498
                                                                                                                                                                                                                                                                TGCACCGCCTCCATCTTCAACCTGTGCGCCATCAGCGTGGACAGGTTCGTGGCCGTGGCC 517
                                                                                                                                                                                                                                                                                    tgcttcgcctccatcctcagcatcaccaccgtcagcgtggagcgctacgtggccatccta 438
                                                                                                                                                                                                                                                                                                                                   GGCGCGTGGCTGAGCCCCCGCCTGTGCGACGCCCTCATGGCCATGGACGTCATGCTG
                                                                                                                                                                                                                                                                                                                                                                                                      GCCGACCTCCTCGCTCTCCTGGTGCTGCCGCTCTTCGTCTACTCCGAGGTCCAGGGT 397
                                                                                                                              ACGTGGCTGCTGTCCGCGGCGGTGGCGGCGCCCGTACTGTGCGGCCTCAACGACGTGCGC
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Pred. No. 8.4e-16;
0; Mismatches 206;
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Best Local Similarity
Matches 236; Conserv
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TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 1370 base pairs
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APPLICANT: Van Tol, Hubert H.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5569601nan, Kevin
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
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FEATURE:
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TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Van Tol, Hubert H.M.
APPLICANT: Civelli, Olivier
TITLE OF INVENTION: A No. 5569601el Human Dopamine Receptor and
NUMBER OF SEQUENCES: 22
                                                                                                                                                             259 tctgacctcctggtcctgctccttggaatgcccctggaaggtctatgaagatgtggcgcaac 318
                                                                                                                                                                                                              278 GTGGCCACCGAGCGCGCCTGCAGACGCCCACCAACTCCTTCATCGTGAGCCTGGCGGCC
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OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
TGCACCGCCTCCATCTTCAACCTGTGCGCCATCAGCGTGGACAGGTTCGTGGCCGTGGCC
                    tgcttcgcctccatcctcagcatcaccaccgtcagcgtggagcgctacgtggccatccta 438
                                                                                                   taccctttcttgttcgggccgtggggctgctacttcaagacggccctctttgagaccgtg
                                                                   GGCGCGTGGCTGAGCCCCCGCCTGTGCGACGCCCTCATGGCCATGGACGTCATGCTG
                                                                                                                                       GCCGACCTCCTCGCTCTCCTGGTGCTGCCGCTCTTCGTCTACTCCGAGGTCCAGGGT 397
                                                                                                                                                                                                                                 attctgcagcaccaggctatgaagacgcccaccaactactacctcttcagcctggcggtc 258
                                                                                                                                                                                                                                                                                  GTGGGGGGGCGTGCTCATCGGCGCGGGGGAACTCGCTCGTGTGCGTGAGC 277
                                                                                                                                                                                                                                                                                                        gtggtgtatgtgccaatttttgtggtggggtcattggcaatgtcctggtgtgcctggtg 198
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10 South Wacker Drive, Suite 3000
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Pred. No. 8.4e-16;
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GENERAL INFORMATION:
                                                         Query Match
Best Local Similarity
Matches 236; Conser
                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Civelli, Olivier APPLICANT: Van Tol, Hubert | TITLE OF INVENTION: A NO. 5
                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION: TELEPHONE: 312-913-0001
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                139 gtggtgtatgtgccaatttttgtggtgggggtcattggcaatgtcctggtgtgcctggtg 198
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REGISTRATION NUMBER: 35,303
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                                                                                                                                                                                            LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/487,811A
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                                                      Score 112.4; DB 2;
Pred. No. 8.4e-16;
0; Mismatches 206;
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RESULT 11
US-09-060-694-17
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                                                                                               INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                     TELEPHONE: 312-913-0001
                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION: NAME: No. 6203998nan, Ke
                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Civelli, Olivier
APPLICANT: Van Tol, Hubert H.M.
             FEATURE:
                         MOLECULE TYPE:
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                                                 TYPE: nucleic STRANDEDNESS:
                                                                                                                                                                                              NAME: No. 6203998nan, Kevin REGISTRATION NUMBER: 35,303
                                                                                                                                                                                                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/O
                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                             COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: McDonners Control Street: 300 South Wacker Drive
                                                                                                                                         TELEFAX:
                                                                                                                                                                                    REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                 SOFTWARE:
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                                                                                1370 base pairs
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SYSTEM: PC-DOS/MS-DOS
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RESULT 12
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US-09-060-694-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 15.4%;
Best Local Similarity 53.4%;
                                                                                                                                                                      APPLICATION NUMBER: PC
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: A Novel Human Dopamine Receptor and NUMBER OF SEQUENCES: 22
                               FEATURE:
                                                                              FEATURE:
                                                                                           MOLECULE TYPE:
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                                                                                                                      LENGTH: 1370 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                  NAME/KEY:
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3'UTR
1268..1370
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104..1267
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1268..1370
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Pred. No. 8.4e-16;
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US-08-056-051-3
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; NAME/KEY:
; LOCATION:
PCT-US93-07370-17
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                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTWARE: PATENTIN Release #1.0, VC
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/056,051
FILING DATE: 1930429
CLASSIFICATION: 435
ATTORNEY/AGENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3, Application US/08056051 Patent No. 5516683
                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Grandy, David K
APPLICANT: Givelli, Olivier
APPLICANT: Civelli, Olivier
APPLICANT: Van Tol, Hubert H.-M.
TITLE OF INVENTION: A NO. 5516683el Human Dopamine Receptor and Uses
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Best Local Similarity
                                                                                                                                                                  COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy d
ATTORNEY/AGENT INFORMATION:
NAME: No. 5516683nan, Kevin
REGISTRATION NUMBER: 35,303
                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                            STREET: 10 South
CITY: Chicago
STATE: Illinois
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10 South Wacker Drive, Suite 3000
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US-07-928-611-19
; Sequence 19, Application US/07928611
; Patent No. 5569601
; GENERAL INFORMATION:
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LOCATION:
US-08-056-051-3
                                                                                                                                                                        RESULT 14
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Best Local Similarity
Matches 236; Conserv
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TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO:
                         APPLICANT: Van Tol, Hubert H.M.
APPLICANT: Civelli, Olivler
TITLE OF INVENTION: A No. 5569601el Human Dopamine
NUMBER OF SEQUENCES: 22
CORRESPONDENCES: 22
ADDERSSE: Allocreti & Witcoff Ital
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LENGTH: 1466 base pairs
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TELEFAX: 312-715-1234
    STREET:
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 3: Allegretti & Witcoff, Ltd.
10 South Wacker Drive, Suite 3000
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Pred. No. 8.5e-16;
0; Mismatches 206;
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Best Local :
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEFAX: 312-715-1234
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CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: No. 5569601nan, Kevin REGISTRATION NUMBER: 35,303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION:
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cactacttccccaatgggtccc 580
                                                           gtctggggcttctccgtgctcttctccctgcccaacaccagcatccatggcatcaagttc 558
                                                                                                           cacccgttccgcgccaaactgcagagcacccggcgccgggccctcaggatcctcggcatc 498
                                                                                                                                                                      tgcttcgcctccatcctcagcatcaccaccgtcagcgtggagcgctacgtggccatccta 438
                                                                                                                                                                                                                     GGCGCGTGGCTGAGCCCCCGCCTGTGCGACGCCCTCATGGCCATGGACGTCATGCTG
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                                                                                                                                                                                                                                                                             GCCGACCTCCTCGCTCCTCGTGCTGCTGCCGCTCTTCGTCTACTCCGAGGTCCAGGGT 397
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                                                                                            GTGCCGCTGCGCTACAACCGGCAGGGTGGGAGCCGCCGGCAGCTGCTGCTCATCGGCGCCC
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SYSTEM: PC-DOS/MS-DOS
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Pred. No. 8.5
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                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 236; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 19, Application Patent No. 5883226
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: NO. 5883226nan, Kevin
REGISTRATION NUMBER: 35,303
                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: cDNA FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
         319
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TELECOMMUNICATION INFORMATION:
TELLEPHONE: 312-913-0001
TELEFAX: 312-913-0002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                               338 GCCGACCTCCTCGCTCTCCTGGTGCTGCCGCTCTTCGTCTACTCCGAGGTCCAGGGT 397
                                                                                                                                                                              139 gtggtgtatgtgccaatttttgtggtgggggtcattggcaatgtcctggtgtgcgtggtg 198
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APPLICANT: Van Tol, Hubert H.M.
TITLE OF INVENTION: A NO. 5883226el Human Dopamine Receptor and Uses
                                                   259 tctgacctcctggtcctgctccttggaatgcccctggaggtctatgagatgtggggcaac 318
                                                                                              278 GTGGCCACCGAGCGCCCTGCAGACGCCCACCAACTCCTTCATCGTGAGCCTGGCGGCC
                                                                                                              199 attctgcagcaccaggctatgaagacgcccaccaactactacctcttcagcctggcggtc 258
                                                                                                                                                           NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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LOCATION:
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COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/487,811A
FILING DATE: 07-JUN-1995
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o. 5883226
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Pred. No. 8.5e-16;
0; Mismatches 206;
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                    cactacttccccaatgggtccc
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GGCCGCGACCCCGCCGTGTGCC
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Search completed: August 30, 2001, 02:47:22 Job time: 3552 sec